



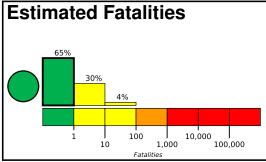


PAGER Version 3

Created: 1 week, 5 days after earthquake

M 4.2, 5 km NNW of Walker, CA

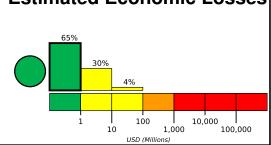
Origin Time: 2023-10-28 05:40:18 UTC (Fri 22:40:18 local) Location: 38.5674° N 119.4891° W Depth: 5.5 km



and economic losses. There is a low likelihood of casualties and damage.



Green alert for shaking-related fatalities Estimated Economic Losses



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		5,654k*	546k	1k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

5000 120.6°W 119.2°W 117.9°W Lovelock Carson City Yerington Smith Valley Sacramento Hawt norne Elk Grove Bridgeport Stockton Maramoth Lakes Modesto Bishop **Lang** Big Pine

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
2003-12-22	356	6.6	VI(8k)	2
1980-01-24	217	5.8	VII(35k)	1
1989-10-18	257	6.9	VIII(109k)	62

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org				
MMI	City	Population		
Ш	Smith	1k		
Ш	Smith Valley	2k		
Ш	Bridgeport	1k		
III	Yerington	3k		
Ш	Gardnerville Ranchos	11k		
Ш	Gardnerville	6k		
II	Carson City	55k		
1	Reno	225k		
1	Stockton	292k		
1	Modesto	201k		
	Sacramento	466k		

bold cities appear on map.

(k = x1000)

Event ID: nc73952605